SONACOAT III

The Sonacoat III is compact and lightweight with multifunctional menu driven performance for fast, practical and precise Coating Thickness Measurement with separate exchangeable probes.

It can be used for all types of varnish, paint and electroplated coatings on iron and steel as well as varnish, paint and anodizing coatings on iron/steel and non-ferrous metals and on austenitic stainless steels.

The Sonacoat III is suitable both for the laboratory and for use in harsh field conditions. The IP52 rating gives protection against dust and dripping water. Never has gauge operation been so clear and so straightforward!

Wide range of probes for universal and special measurement tasks.

Data processing is straightforward and fast. No cables are required - data can be transferred to a notebook or other equipment via an infrared interface. There is no worry about connector damage, no time wasted in attaching cables.

Three models of the Sonacoat III are available.

Sonacoat III FN 1.5 includes a general purpose, non-detchable probe for use on both ferrous and non-ferrous substrates.

Sonacoat III S uses detachable probes. A range of probes are available to cover a wide variety of requirements.

Sonacoat III Pro The Pro has enhanced data logging (up to 10,000 readings) and statistical analysis.

Measurement of Composite Thickness with Steel backing plate.

Universal Coating Thickness Gauge

Automatically identifies the substrate & activates the correct measuring procedure!

SONACOAT III
Specifications

Measuring principle: Magnetic induction method (F),
Eddy current method (N),
FN Mode for all metals.

Display: 4-digit display : digit height 10 mm / 400 mils, selectable between µm/mils, back-light.

Confirmation of reading: Audible 'beep'.

Calibration
Factory calibration, zero calibration, foil calibration.
Offset - function: add. or subtract of a constant value.

Scan Mode: Gives continuous readings for variable coating measurements.

Memory: Max. 200 readings.
Statistics: Number of readings, mean value, standard deviation, maximum and minimum reading
Pro: 10000 readings in 250 files, with enhanced statistical analysis.

Data Output: Infrared Interface.

Operating temperature: 0°C to 50°C / 32°F to 122°F

Surface temperature:
-15°C to 60°C / 5°F to 140°F (standard)
-15°C to 150°C / 5°F to 302°F (with optional foot)

Power supply: 2 x AA 1.5 V batteries.

Housing/keypad: Protection class IP52 (protection against dust and dripping water).

Dimensions:
Gauge: 137 mm x 66 mm x 23 mm / 5.4" x 2.6" x 0.9"

Weight (incl. batteries): 225 g / 8 ozs (gauge + FN 1.5probe)

Standards: DIN EN ISO, ASTM, BS

Sonacoat III Kit
Gauge
Transducer(s), zero plate(s) and calibration foils (see below).
Rugged Carry case
2 batteries
Instruction manual
Manufacturer's certificate

Optional accessories:

- Data Transfer Software
  "FixSoft", providing templates for spreadsheets, histograms and trend presentation.
  "ProSoft" for Pro version provides full data management.
- Soft carrying pouch.
- Infrared Adapters
- Portable printer with infrared interface
- Calibration foils and zero plates

Probe ID	Type	Measuring Range	Tolerance ±(X+1% of reading)	Resolution (or 0.2% of reading)	Minimum Measure-ment area	Minimum Curvature Radius	Minimum Substrate Thickness	Comments
SCP10845	FN 0.2	0 ... 200 µm	0.7 µm	0.1 µm	5 x 5 mm	Convex 1.5 mm, Concave 5mm	F= 0.2 mm N= 50 µm	
SCP10749	FN 1.5	0 ... 1500 µm	1 µm	0.1 µm	5 x 5 mm	as above.	as above.	= integral probe version
SCP10751	FN 1.5/90	0 ... 1500 µm	1 µm	0.1 µm	5 x 5 mm	as above.	as above.	Right Angle Headroom approx 13mm
SCP10752	F 1.5	0 ... 1500 µm	1 µm	0.1 µm	5 x 5 mm	as above.	0.2mm	
SCP10755	N 1.5	0 ... 1500 µm	1 µm	0.1 µm	5 x 5 mm	as above.	50 µm	
SCP10750	FN 3.5	F = 0 ... 3500 µm N = 0 ... 3000 µm	2 µm	1 µm	10 x 10 mm	Convex 5 mm, Concave 50mm	F= 0.5 mm N= 0.1 mm	
SCP10753	F 3.5	0 ... 3500 µm	2 µm	1 µm	10 x 10 mm	as above	0.5 mm	
SCP10754	F10	0 ... 10 mm	3 µm	1 µm	20 x 20 mm	as above	1mm	

All probes include: Zero plate (2 for FN models), 2 calibration foils, 1.2m cable, manufacturer's certificate.

EASTERN ENERGY SERVICES PTE LTD.
METERING AND INDUSTRIAL PRODUCTS

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